



The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

11/08/2011

Justyna Miller
Assistant District Attorney, Suffolk County

Dear ADA Miller,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]
Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Peter Piro.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Peter Piro was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read 'Annie Dookhan'.

Annie Dookhan
Chemist
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6622

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

*Oversee the Quality Control/Quality Assurance program for the Drug Lab.

*Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP training with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS trainings with Agilent Technologies and Restek.

HPLC and LC/MS/MS trainings with Waters Cooperation.

FTIR training with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Peter Piro

EDUCATION

Boston University

B.A. in Chemistry and Minor in Biology, 1989

HONORS

Magna Cum Laude, 3.6 GPA

Graduated with Distinction in Chemistry

Valedictorian of the Chemistry Department

EXPERIENCE

Department of Public Health/State Laboratory Institute

Chemist III, II, I/ Assistant Analyst

December 1991-Present

Supervise the operation and maintenance of the Gas Chromatography/Mass Spectrometry Laboratory. Analyze controlled substances for State and Federal law enforcement agencies. Qualified as an expert witness in Massachusetts courts and U.S. District Court.

Massachusetts Health Research Institute

Laboratory Technician

September 1990-December 1991

Researched the seasonal and special occurrences of DSP and PSP in shellfish samples harvested from coastal waters and Georges Bank.

TRAINING AND ORGANIZATIONS

- * Completed a six-week training course by senior staff within the Department of Public Health Drug Analysis laboratory.
- * Appointed Assistant Analyst by the Assistant Commissioner of Public Health in February 1991.
- * Elected as a Regular Member to the Northeastern Association of Forensic Chemists on October 27th 1995.
- * Completed training in Mass Spectrometry given by the Food and Drug Administration/Forensic Chemistry Center on November 2002.
- * Completed training in Mass Spectrometry Troubleshooting and Maintenance, October 25th 2002, at Agilent Technologies.
- * Notary Public since 1993.

DRUG RECEIPT

CC # [REDACTED]

BOOK # 63

PAGE # _____

DESTRUCTION # _____

District/Unit A-1 / DetailName & Rank of Arresting Officer Ervin, K. P.O. ID# 76156

DEFENDANT'S NAME

ADDRESS

CITY

STATE

[REDACTED]

BostonMA

DESCRIPTION OF ITEMS SUBMITTED

GROSS
QUANTITY

LAB USE ONLY

GROSS
WEIGHTANALYSIS
NUMBERClass A Heroin4 p/b's4.67g

[REDACTED]

To be completed by ECU personnel onlyName and Rank of Submitting Officer Sybil White ID# 11064Received by [Signature] Date 1-13-11

ECU Control # _____

No. [REDACTED]
City: Boston D.C.U. Police Dept.
Officer: P.O. SYBIL WHITE
Def: [REDACTED]

Date Analyzed: 3-21-11

Amount:
No. Cont: 4 Cont: pb
Date Rec'd: 01/13/2011
Gross Wt.: 4.67

Subst: SUB

No. Analyzed: 1
Net Weight: 0.09

Tests: 4 ASD
2 P.P.12

Prelim: Heroin

Findings: Heroin

SAMPLE # [REDACTED] AGENCY Boston ANALYST AM

Evidence Wt.

Gross Wt (g): 0.9524

Gross Wt (\): 0.2109

Pkg. Wt:

Net Wt: 0.0918

Spot Tests

Marquis +

Froehde's *t*

Mecke's

Microcrystalline Tests

Gold Chloride

TLTA ()

OTHER TESTS

GC/MS CONFIRMATORY TEST

RESULTS *Heroin*

DATE 3-18-11

RESULTS HC105

MS
OPERATOR PJR

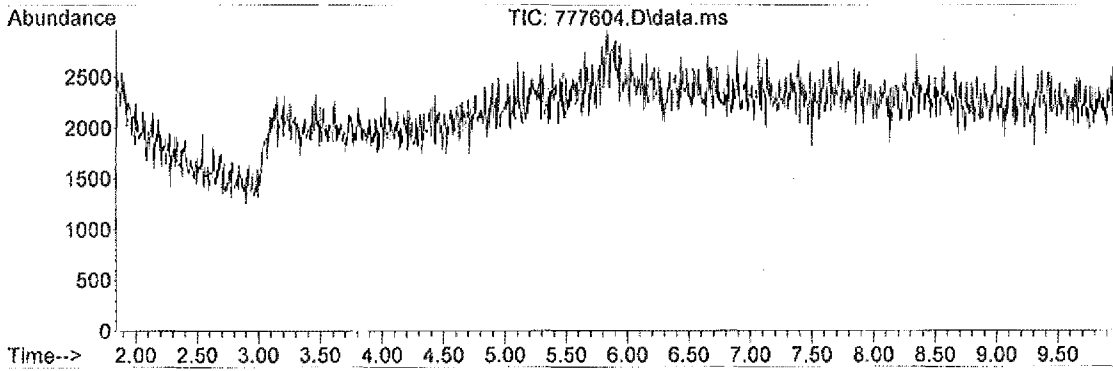
DATE 3-21-11

Area Percent / Library Search Report

✓ P. Pin
11-7-11

Information from Data File:

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Operator : ASD
Date Acquired : 19 Mar 2011 14:57
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



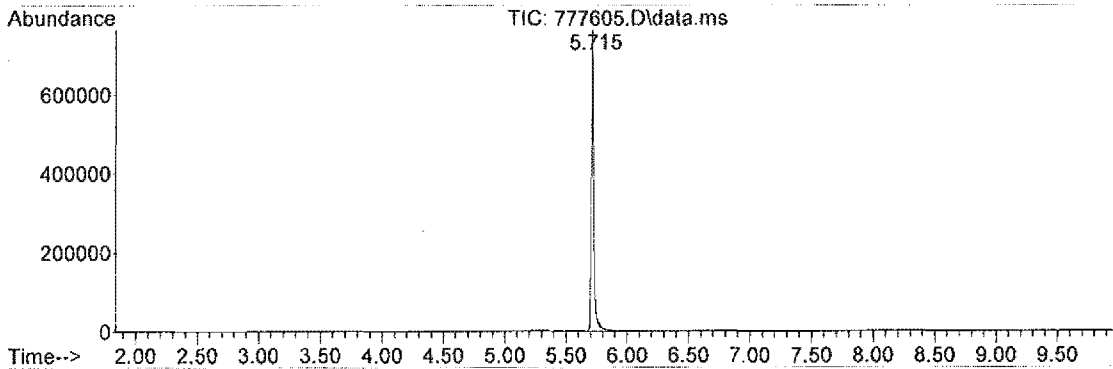
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

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File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777605.D
Operator : ASD
Date Acquired : 19 Mar 2011 15:10
Sample Name : HEROIN STD
Submitted by :
Vial Number : 5
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.715	1054093	100.00	100.00

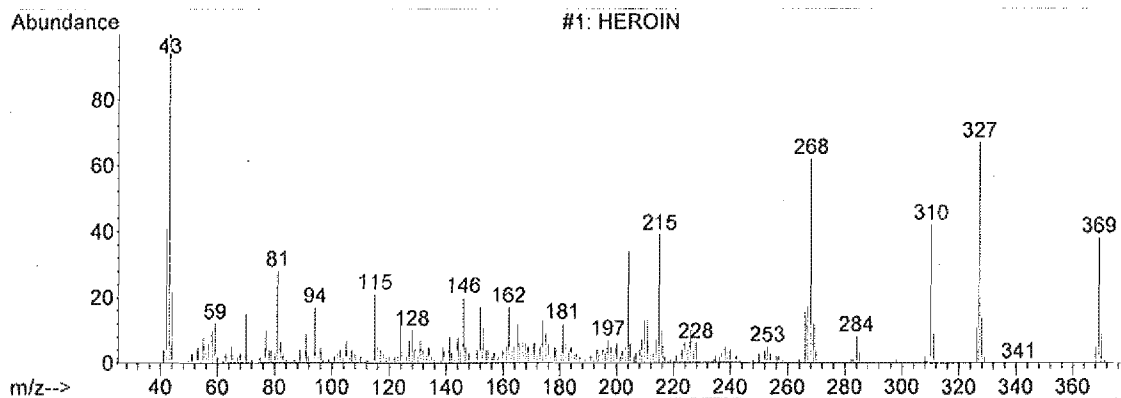
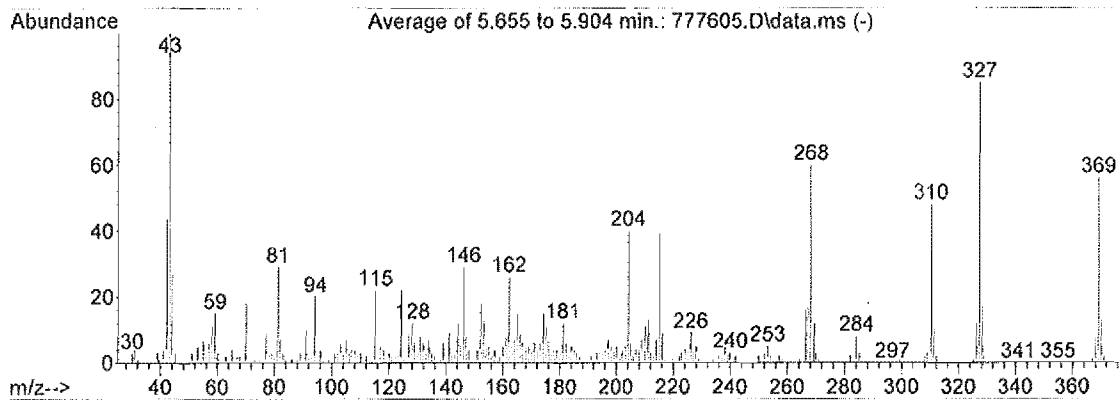
Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777605.D
 Operator : ASD
 Date Acquired : 19 Mar 2011 15:10
 Sample Name : HEROIN STD
 Submitted by :
 Vial Number : 5
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST08.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

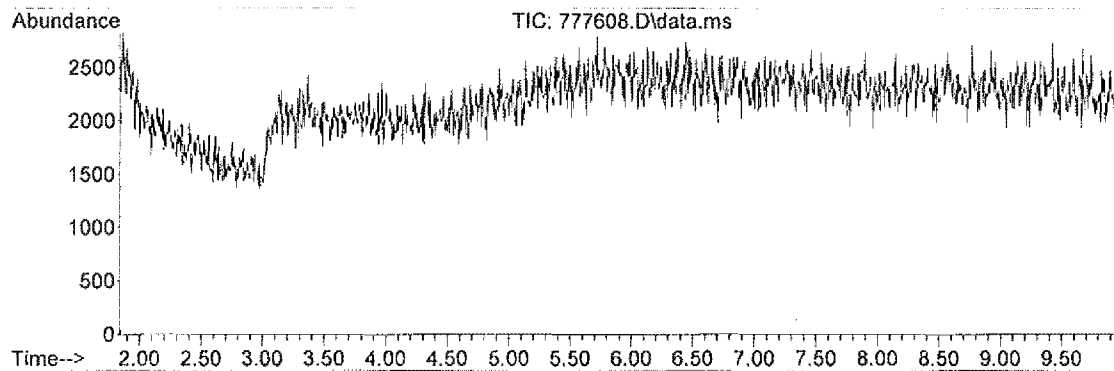
PK#	RT	Library/ID	CAS#	Qual
1	5.71	C:\Database\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

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Date Acquired : 19 Mar 2011 15:49
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



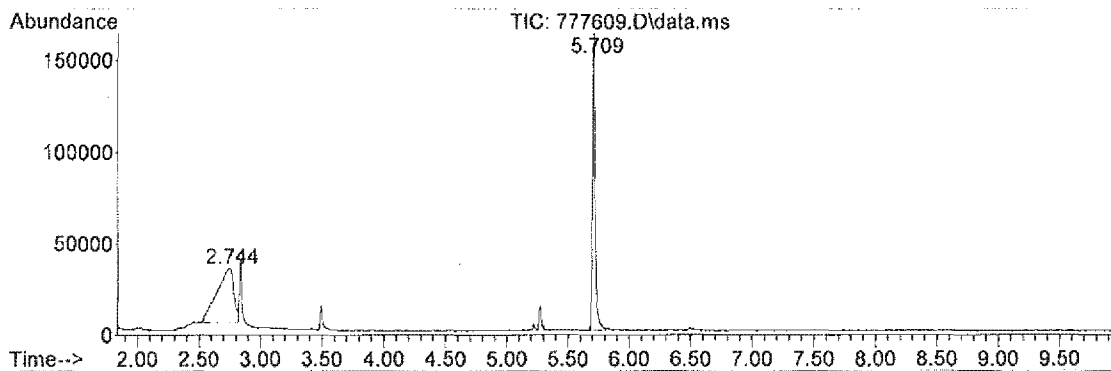
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777609.D
 Operator : ASD
 Date Acquired : 19 Mar 2011 16:02
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 9
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.744	280285	53.57	100.00
5.709	242901	46.43	86.66

Information from Data File:

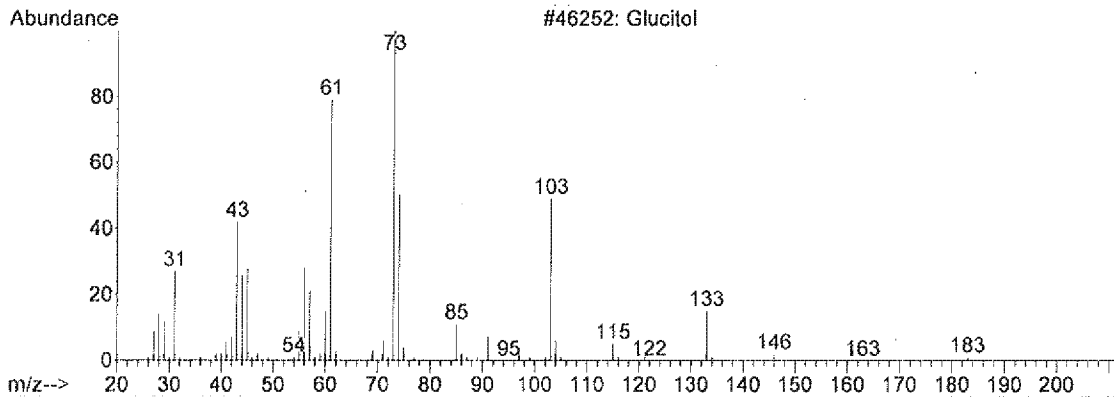
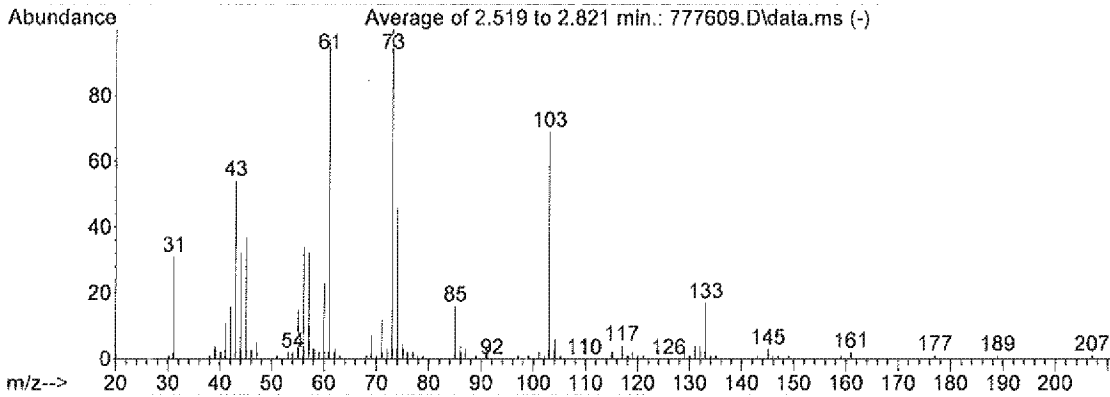
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Operator        : ASD
Date Acquired   : 19 Mar 2011  16:02
Sample Name     : ██████████
Submitted by    : ASD
Vial Number     : 9
AcquisitionMeth : DRUGS.M
Integrator      : RTE
    
```

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Search Libraries: C:\Database\SLI.L           Minimum Quality: 80
                  C:\Database\NIST08.L        Minimum Quality: 80
                  C:\Database\PMW_TOX2.L
    
```

PK#	RT	Library/ID	CAS#	Qual
1	2.74	C:\Database\NIST08.L		
		Glucitol	026566-34-7	90
		Sorbitol	000050-70-4	90
		D-Mannitol	000069-65-8	83

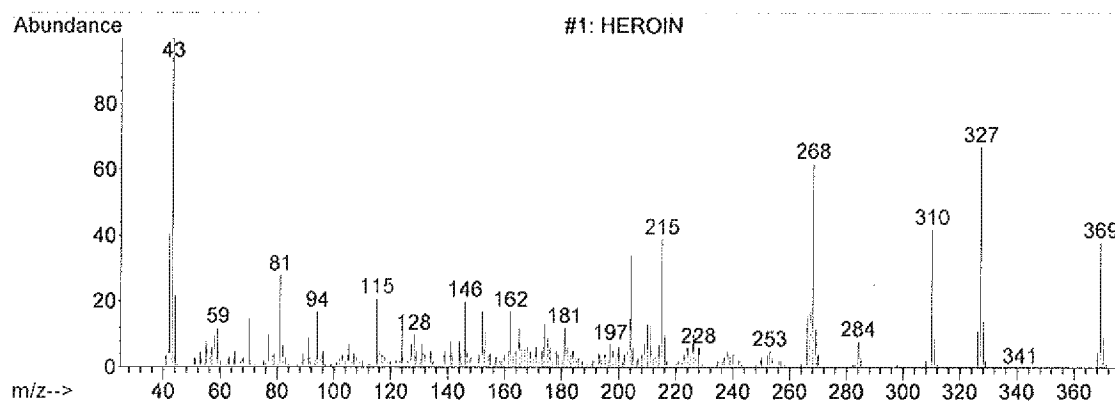
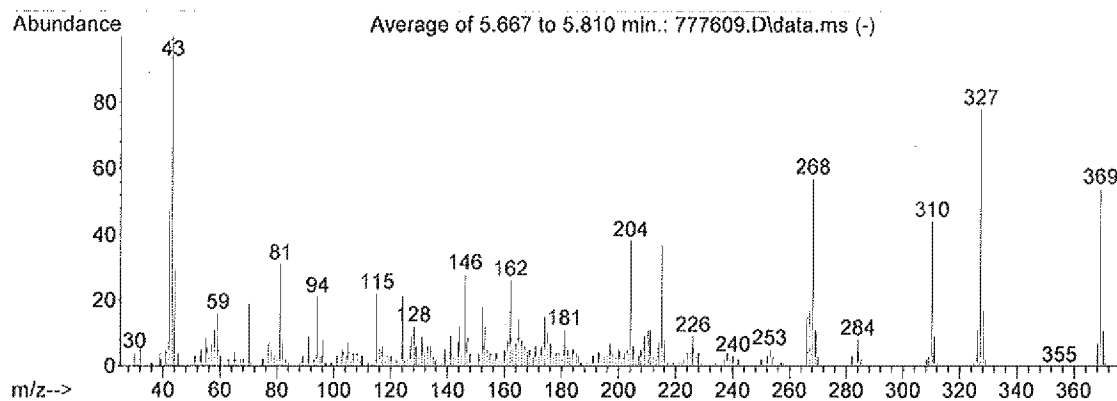


Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777609.D
Operator : ASD
Date Acquired : 19 Mar 2011 16:02
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 9
AcquisitionMeth: DRUGS.M
Integrator : RTE

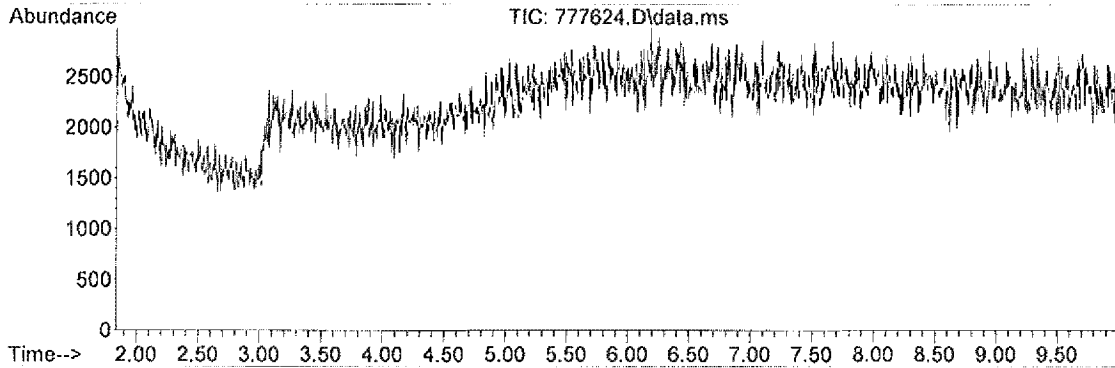
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	5.71	C:\Database\SLI.L HEROIN	000561-27-3	99



Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777624.D
Operator : ASD
Date Acquired : 19 Mar 2011 19:19
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



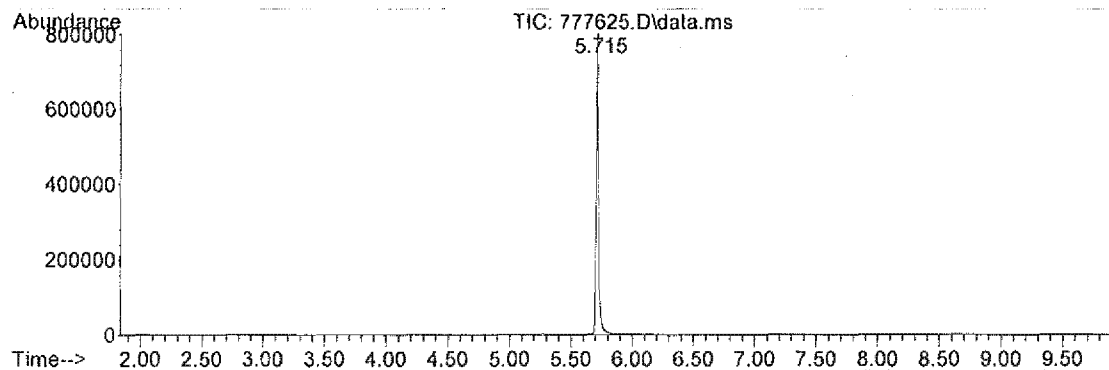
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777625.D
 Operator : ASD
 Date Acquired : 19 Mar 2011 19:32
 Sample Name : HEROIN STD
 Submitted by : ASD
 Vial Number : 5
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.715	1119229	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03_19_11\777625.D
Operator : ASD
Date Acquired : 19 Mar 2011 19:32
Sample Name : HEROIN STD
Submitted by : ASD
Vial Number : 5
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST08.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	5.71	C:\Database\SLI.L HEROIN	000561-27-3	99

